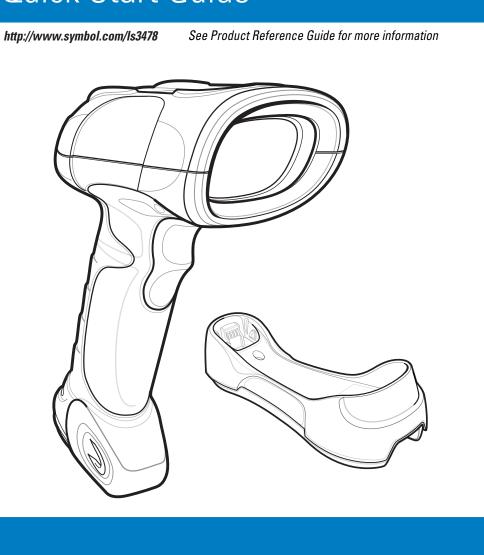
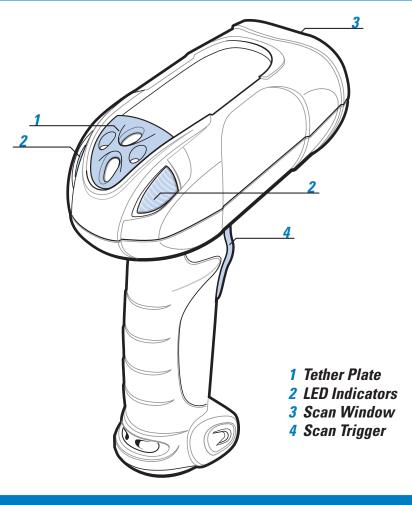
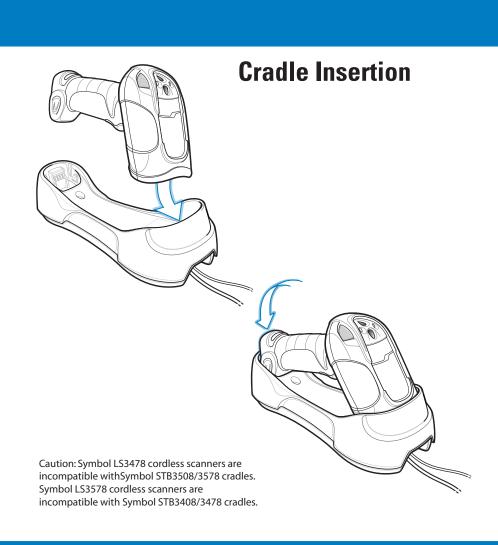
SYMBOL LS3478 Quick Start Guide



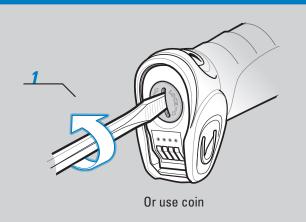
POST IN WORK AREA

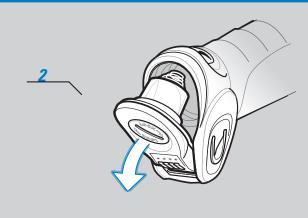


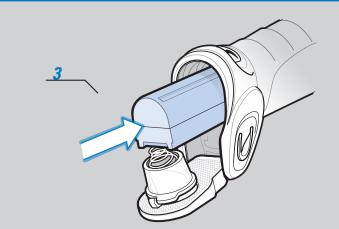


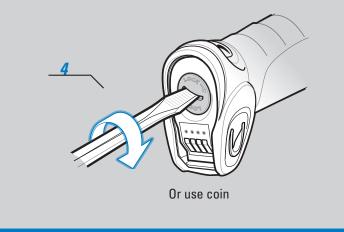


BATTERY INSERTION/REMOVAL



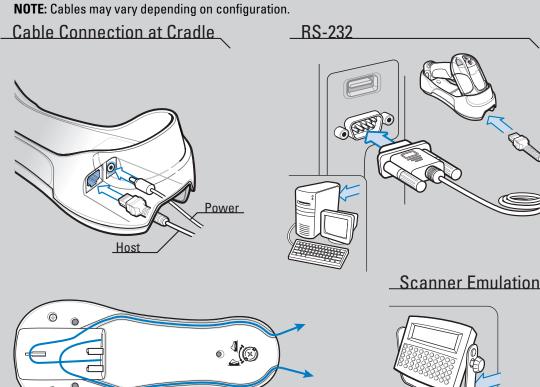




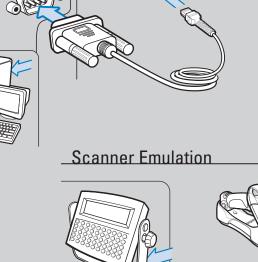


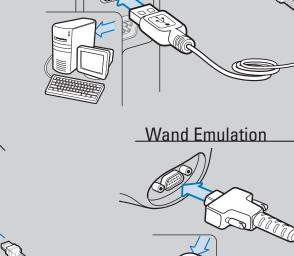
HOST INTERFACES

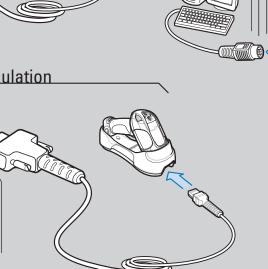
USB

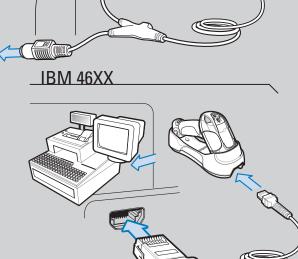












TROUBLESHOOTING

Please refer to the LS3478 Product Reference Guide Troubleshooting section for further information.

Scanner not working

No power to scanner Check battery

End cap not secured correctly

Turn end cap to secure

Scanner not decoding bar code

Scanner not programmed for bar code type

> Ensure scanner is programmed to read type of bar code being scanned

Bar code unreadable Ensure bar code is not defaced; try scanning test bar code of same

bar code type

Keyboard Wedge

Distance between scanner and bar code incorrect

Move scanner closer to

or further from bar code

Scanner Emulation Host Types

SCANNER EMULATION

SYMBOL WAND

Scanner decoding bar code, but data not transmitting to host

Scanner not paired to host-connected cradle Pair the scanner to the cradle (using the

PAIR bar code on the cradle)

Check scanner host parameters or

If data is still not transmitting to host, it may be necessary to recycle power on the cradle.

Cradle not programmed for correct host interface Interface cable is loose

Check for loose cable connections

Scanned data incorrectly displayed on host

Paired cradle host communication parameters do not match the host's parameters Check cradle host parameters or edit options

SYMBOL LS3478 PROGRAMMING BAR CODES

Set Defaults



SET DEFAULTS





IBM 46XX Host Types









DISABLE CONVERT TO CODE 39

Carriage Return/Line Feed

Wand Emulation Host Types















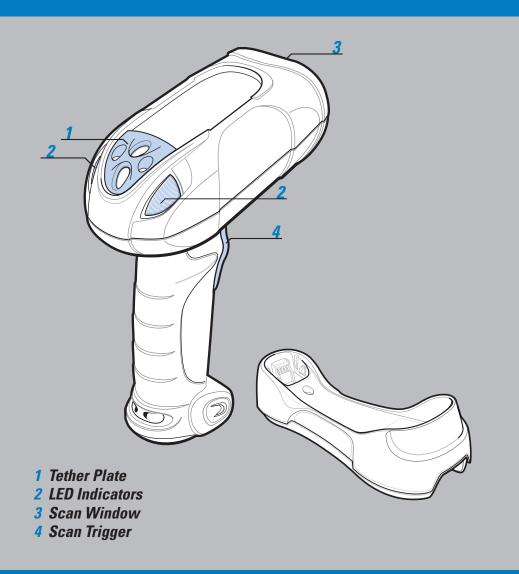
SCAN OPTIONS

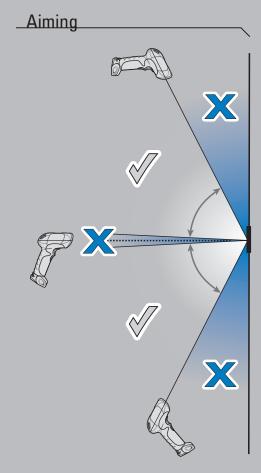


ICL RS-232













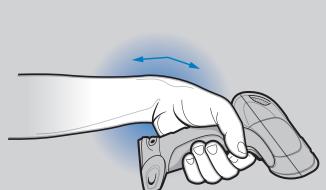




ALTERNATE LEFT AND RIGHT HANDS TAKING BREAKS AND TASK ROTATION RECOMMENDED

OPTIMUM UPRIGHT BODY POSTURE





Avoid Extreme Wrist Angles



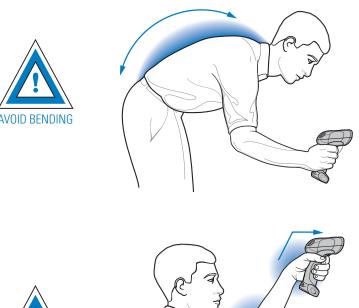
Beeper Indications

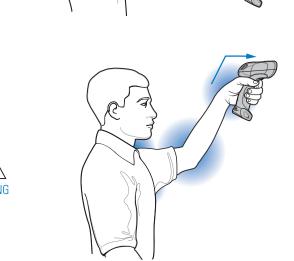
Standard Use Low-medium-high beep Short high beep 4 Iona low beeps 4 short high beeps Bar code decoded [if Low battery Power up Transmission error decode beeper enabled detected: data is ignored indication Short low-high beep Long low-high beep Scanner has paired with Scanner has unpaired Unsuccessful pairing attempt Parameter Menu Scanning High-low-high-low beep Long low-high beep Successful parameter Correct programming Incorrect programming sequence performed sequence or Cancel **LED Indications** Standard Use Green No power applied to Bar code successfully Data transmission scanner, or scanner is error or scanner malfunction on and ready to scan Charging Use Green Slow Flash Green Fast Flash Red Flash Red and Green Flash Scanner charging in Scanner charging in rapid Charging problem Temperature fault See Product Reference slow mode (used mode (used when cradle

OPTIMUM BODY POSTURE









Optimum Body Posture for Extended Range Scanning

is powered from external

power supply)

Guide for more

when cradle is

powered by host



SYMBOL LS3478

REGULATORY INFORMATION

2007 MOTOROLA, INC. All rights reserved. Motorola reserves the right to make changes to any product to improve reliability, function, or design

Motorola does not assume any product liability arising out of, or in connection with, the application or use of any product, circuit, or application described herein. No license is granted, either expressly or by implication, estoppel, or otherwise under any patent right or patent, covering or relating to any combination, system, apparatus, machine, material, method, or process in which Motorola products might be used. An implied license exists only for equipment, circuits, and subsystems contained in Motorola products. MOTOROLA, the Stylized M Logo and Symbol and the Symbol logo are registered trademarks of Motorola, Inc. Other product names mentioned in this manual may be trademarks or registered trademarks of their respective companies and are hereby acknowledged. Motorola, Inc., One Motorola Plaza, Holtsville, N.Y. 11742-1300, http://www.symbol.co

POST IN WORK AREA

For the complete Motorola hardware product warranty statement, go to: http://www.symbol.com/warranty.

Patents

This product is covered by one or more patents. For patent information go to: http://www.symbol.com/patents.

Ergonomic Recommendations Caution: In order to avoid or minimize the potential risk of ergonomic injury follow the recommendations below. Consult with your local Health & Safety Manager to ensure that you are

- Reduce or eliminate repetitive motion
- adhering to your company's safety programs to prevent employee injury. Reduce or eliminate vibration
- Maintain a natural/neutral position • Reduce or eliminate excessive force • Keep objects that are used frequently
- Reduce or eliminate direct pressure • Provide adjustable workstations
- Perform tasks at correct heights
- Provide adequate clearance

• Provide a suitable working environment

- within easy reach
 - Improve work procedures

Service Information

If you have a problem using the equipment, contact your facility's Technical or Systems Support. If there is a problem with the equipment, they will contact the Motorola Enterprise Mobility Support at: http://www.symbol.com/contactsupport. For the latest version of this guide go to: http://www.symbol.com/manuals.

Waste Electrical and Electronic Equipment (WEEE)

environmental compliance.

Deutsch für Kinden innerhalb der EU: Alle Produkte müssen am Ende ihrer Lebensdauer zum Recycling an Motorola zurückgesandt werden. Informationen zur Rücksendung von Produkten finden Sie unter hittp://www.symbol.com/environmental_compliance.

ENkynek für narkäng riny E.E.; Dar in projeiova, or or baksy nis dipskung kunkt rous, mehre von ermoplegen von ermoplegen von ermoplegen von ermoplegen mit der von erworden von ermoplegen in Richelburgh hittp://www.symbol.com/environmental_compliance or o Audikirou.

http://www.symbol.com/environmental_compliance or or Jackievo.

Eedst Et. klientidele: kõik tooted tuleb nende eluea lõppedes tagastada taaskasutamise eesmärgil Motorolalie. Lisainformatsiooni saamisesk toote tagastamise kohta külastage jalun aadressi: http://www.symbol.com/environmental_compliance.

Españot Para cilentes en la Unión Europea: todas los productos deberán entregarse a Motorola al final de su ciclo de vida para que sean necidados. Si desea más información sobre cômo devolver un producto, visite: http://www.symbol.com/environmental_compliance.

Français: Cilentes de l'Union Europea: Pour de plus amples informations sur le retour de produits, consaltez: http://www.symbol.com/environmental_compliance.

Italiano: per i clienti dell'UE: tutti i prodotti che sono giunti al termine del rispettivo ciclo di vita devono essere restituiti a Motorola al fine di consentime il riciclaggio. Per informazioni sulle modalità di restituzione, visitare il seguente sito Web: http://www.symbol.com/environmental_compliance.

English: For EU Customers: All products at the end of their life must be returned to Motorola for recycling. For information on how to return product, please go to: http://www.symbol.com/environmental_compliance.

Bulgarist: 3a киментко т EC. Chea, края на полежиня мижног всички продукти требва дае верышате на Motorola a peuseurina or EC. Chea, края на полежиня мижног всички продукти требва дае верышате на Motorola as queuempanee. 3a информация относно връщаето на продукти, моля открете на appec. http://www.symbol.com/environmental_compliance.

Letwies: ES variotojams: visi gaminiai, passibagius ju kepsbalagius pia kepsbalagius Nederlands: Voor klanten in de EU: alle producten dienen aan het einde van hun levensduur naar Motorola te worden teruggezonden voor recycling. Raadpleeg http://www.symbol.com/ environmental_compliance voor meer informatie over het terugzenden van producten.

environmental_compliance woor meer informatie over het tenugzenden van producten.

Podekt Klienci z obszanu Unii Europejskiej: Produkty wycofane z eksytoatacji należy zwrócić of firmy Motorok ve euk int uhytizej. Informacje na tennat zwrotu produktów znajdują się na stronie internetowej http://www.symbol.com/environmental_compliance.

Portuguist: Para clientes da UE: todos os produkto no fim de vida devem ser devolvidos à Motorola para reoldogem. Para obter informacjos soste como devolver o produto, visite: http://www.symbol.com/environmental_compliance.

Romanesc Pentru clentiji din UE: Toate produsele, la sfarstud durateli por de funcționare, trebuie returnate la Motorola pentru recidare. Pentru informații despre eturnarea produsului, accessi; http://www.symbol.com/werelink.

Stoventika: Pica Skazanikov z kingi IU: Visitely výrobky musia był po uplynuti doby ich źivotnosti vrálené spoločnosti Motorola ra recykladiu. Blăšie informácie o vrálení výrobkov nájdete na: http://www.symbol.com/environmental_compliance.

Stoventik: Za kupce v EU: vsi zdekli se morajo po poteku življenjske dobe vrniti podjetju Motorola za recklažo. Za informacije o vračilu zdelka obiščite: http://www.symbol.com/environmental_compliance.

Suomi: Asiakkaat Euroopan unionin alueella: Kaikki tuotteet on palautettava kierrätettäväksi Motorola-yhtiöön, kun tuotetta ei enää käytetä. Lisätietoja tuotteen palauttamisesta on osoitteessa http://www.symbol.com/enromental_compliance.

Swenture: For kunder inom EU: Alla produkter som uppnått sin loslängd måste returneras till Motorola för återvinning. Information om hur du returnerar produkten finns på http://www.symbol.com/environmental_compliance.

Regulatory Information Symbol Technologies, Inc., the Enterprise Mobility business of Motorola, Inc. ("Motorola").

All Symbol devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required.

Local language translations are available at the following website: http://support.symbol.com. Any changes or modifications to Symbol equipment, not expressly approved by Symbol, could

void the user's authority to operate the equipment.







Country Approval

Regulatory markings are applied to the device signifying the radio (s) are approved for use in the following countries: United States, Canada, Australia, Japan & Europe¹

Please refer to the Symbol Declaration of Conformity (DoC) for details of other country markings. This is available at http://www2.symbol.com/doc/.

Note¹: For 2.4GHz Products: Europe includes, Austria, Belgium, Czech Republic, Croatia, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovak Republic, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Radio Modules

The LS 3478 Scanners contain an approved radio module. This module is the Symbol Bluetooth radio Type: 21-64381

Bluetooth Devices This product is an approved Bluetooth device. BT ID: BT01784

Operation of the device without regulatory approval is illegal.

Power Supply ed power supply 50-14000-101 output rated 9 Vdc and minimum 1 A. The

any approval given to this device and may be dangerous.

power supply is certified to EN60950 with SELV outputs. Use of alternative power supply will invalidate



FCC / EU RF Exposure Guidelines

Safety Information

The device complies with Internationally recognised standards covering Specific Absorption Rate (SAR) related to human exposure to electromagnetic fields from radio devices.

Reducina RF Exposure - Use Properly

It is advisable to use the device only in the normal operating position. Hand Held Devices:

To comply with FCC RF exposure requirements, this device must be operated in the hand. Other operating configurations should be avoided.

Radio Frequency Interference Requirements Tested to comply with FCC Standards

Radio Transmitters (Part 15) This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired

FOR HOME OR OFFICE USE operation.

Radio Frequency Interference Requirements – Canada This device complies with RSS 210 of Industry & Science Canada. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation

Label Marking: The Term "IC:" before the radio certification only signifies that Industry Canada technical specifications were met.

Marking and European Economic Area (EEA) Bluetooth for use through the EEA have the following restrictions:

• Maximum radiated transmit power of 10mW EIRP in the frequency range 2.400 -2.4835 GHz • Italy requires a user license for outside usage. Statement of Compliance

Symbol Technologies, Inc., hereby, declares that this device is in compliance with the essential requirements and other relevant provisions of Directives 1999/5/EC, 89/336/EEC and 73/23/EEC. Declaration of Conformities may be obtained from http://www2.symbol.com/doc/

Recommended Usage Guide

HEBREW

און להביט אל תוך הזרם מוצר לייזר רמה 2

ITALIAN / ITALIANO

CLASSE 2 LUCE LASER

NORWEGIAN / NORSK

PORTUGUESE / PORTUGUÊS

SPANISH / ESPAÑOL

CLASE 2 LUZ LASER

SWEDISH / SVENSKA

KLASS 2

רמה 1

NON FISSARE IL RAGGIOPRODOTTO

CLASSE 1 PRODOTTO AL LASER DI CLASSE 1

AL LASER DI CLASSE 2

KLASSE 2 LASERLYS IKKE STIRR INN ILYSSTRÅLEN LASERPRODUKT, KLASSE 2

CLASSE 2 LUZ DE LASER NÃO FIXAR O RAIO LUMINOSO

NO MIRE FIJAMENTE EL HAZ

LASERPRODUKT KLASS 2

PRODUCTO LASER DE LA CLASE 2

LASERLJUS STIRRA INTE MOT STRÅLEN

PRODUTO LASER DA CLASSE 2

KLASSE 1 LASERPRODUKT, KLASSE 1

CLASSE 1 PRODUTO LASER DA CLASSE 1

CLASE 1 PRODUCTO LASER DE LA CLASE 1

Laser Labels

In accordance with Clause 5, IEC 825 and EN60825, the following

information is provided to the user: **ENGLISH** CLASS 1 CLASS 2 CLASS 1 LASER PRODUCT LASER LIGHT DO NOT STARE INTO BEAM CLASS 2 LASER PRODUCT

DANISH / DANSK KLASSE 1 KLASSE 1 LASERPRODUKT KLASSE 2 LASERLYF

SE IKKE IND I STRÅLEN KLASSE 2 LASERPRODUKT DUTCH / NEDERLANDS KLASSE 1 KLASSE-1 LASERPRODUKT

KLASSE 2 LASERLICHT NIET IN STRAAL STAREN KLASSE-2 LASERPRODUKT FINNISH / SUOMI

LUOKKA 1 LUOKKA 1 LASERTUOTE LUOKKA 2 LASERVALO ÄLÄ TUIJOTA SÄDETTÄ LUOKKA 2 LASERTUOTE FRENCH / FRANÇAIS

CLASSE 1 PRODUIT LASER DE CLASSE 1 CLASSE 2 LUMIERE LASER NE PAS REGARDER LE RAYON FIXEMENT PRODUIT LASER DE CLASSE 2

GERMAN / DEUTSCH KLASSE 1 LASERPRODUKT DER KLASSE 1 KLASSE 2 LASERSTRAHLEN NICHT DIREKT IN DEN LASERSTRAHL SCHAUEN

LASERPRODUKT DER KLASSE 2 JAPANESE/日本語 第1種レーザー製品

第2種 レーザー光線 光線を見つめないでください 2種 レーザー製品



Laser Devices

CHINESE / 简体中文 类激光产品 2 类 激光切勿注视光束 2 类激光产品 KOREAN / 한국어 1등급 레이저 제품

KLASS 1 LASERPRODUKT KLASS 1



1등급 레이저 광선 이 광선을 주시하지 마십시오. 2등급 레이저 광선



Symbol products using lasers comply with US 21CFR1040.10, and IEC825-1:1993, EN60825-1:1994+A11:1996. The laser classification is marked on one of the labels on the device.

Class 1 Laser devices are not considered to be hazardous when used for their intended purpose. The following statement is required to comply with US and international regulations:

Caution: Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous laser light exposure.

Class 2 laser scanners use a low power, visible light diode. As with any very bright light source, such as the sun, the user should avoid staring directly into the light beam. Momentary exposure to a Class 2 laser is not known to be harmful.

